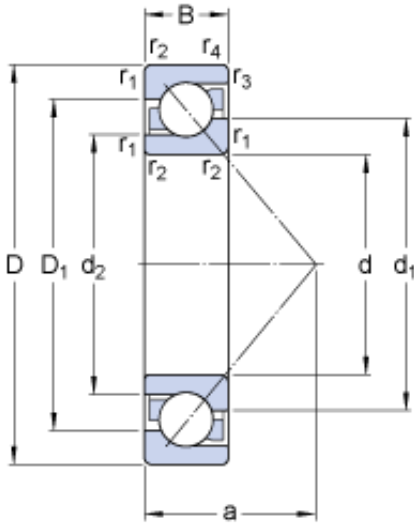




# NTK BEARING PRECISION AXLE CORP.



7220 BECCM Bearing 2D drawings and 3D CAD models

100 mm x 180 mm x 34 mm SKF 7220 BECCM angular contact ball bearings

Bearing No. 7220 BECCM

Size	180x100x34 mm
Bore Diameter	180 mm
Outer Diameter	100 mm
Width	34 mm
d	100 mm
D	180 mm
B	34 mm
d <sub>1</sub>	130.95 mm
d <sub>2</sub>	115.22 mm
D <sub>1</sub>	150.9 mm
a	76 mm
r <sub>1,2</sub> - min.	2.1 mm
r <sub>3,4</sub> - min.	1.1 mm
d <sub>a</sub> - min.	112 mm
D <sub>a</sub> - max.	168 mm
D <sub>b</sub> - max.	173 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	1 mm
Basic dynamic load rating - C	143 kN
Basic static load rating - C <sub>0</sub>	134 kN
Fatigue load limit - P <sub>u</sub>	4.8 kN
Reference speed	4500 r/min
Limiting speed	4500 r/min
Calculation factor - k <sub>r</sub>	0.095



## NTK BEARING PRECISION AXLE CORP.

Calculation factor - $k_a$	1.4
Calculation factor - e	1.14
Calculation factor - X	0.57
Calculation factor - $Y_0$	0.52
Calculation factor - $Y_1$	0.55
Calculation factor - $Y_2$	0.93
Calculation factor - X	0.35
Calculation factor - $Y_0$	0.26
Calculation factor - $Y_1$	
Calculation factor - $Y_2$	0.57
Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0
EAN	7316577150233
Product Group	B04270
Enclosure	Open
Flush Ground	Yes
Rolling Element	Ball Bearing
Number of Rows of Balls	Single Row
Precision Class	ABEC 1   ISO P0
Maximum Capacity / Filling Slot	No
Snap Ring	No
Cage Material	Brass
Contact Angle	40 Degree
Internal Clearance	CC
Number of Bearings	1 (Single)
Mounting Arrangement	Universal
Inch - Metric	Metric



## NTK BEARING PRECISION AXLE CORP.

Long Description	100MM Bore; 180MM Outside Diameter; 34MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; CC; Brass Cage; 40 Degree; 1 (Single); Univer
Other Features	Axial Internal Clearance Greater Than Normal
Category	Angular Contact Ball Bearing
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Angular Contact
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Width	1.339 Inch   34 Millimeter
Bore	3.937 Inch   100 Millimeter
Outside Diameter	7.087 Inch   180 Millimeter
$d_1$	130.95 mm
$d_2$	115.22 mm
$D_1$	150.9 mm
$r_{1,2}$ min.	2.1 mm
$r_{3,4}$ min.	1.1 mm
$d_a$ min.	112 mm
$D_a$ max.	168 mm
$D_b$ max.	173 mm
$r_a$ max.	2 mm
$r_b$ max.	1 mm
Basic dynamic load rating C	143 kN
Basic static load rating $C_0$	134 kN
Fatigue load limit $P_u$	4.75 kN
Calculation factor A	0.239
Calculation factor $k_r$	0.095



## NTK BEARING PRECISION AXLE CORP.

Calculation factor e	1.14
Calculation factor X	0.35
Calculation factor $Y_0$	0.26
Calculation factor $Y_2$	0.57
Calculation factor X	0.57
Calculation factor $Y_0$	0.52
Calculation factor $Y_1$	0.55
Calculation factor $Y_2$	0.93
Mass bearing	3.3 kg